

IN THE DRAWINGS

The attached sheets of drawings include changes to Fig. 6, 10, and 21. These sheets, which include Figs. 6, 10, and 21, replace the original sheets including Figs. 6, 10, and 21.

Attachment: Replacement Sheets

REMARKS

Favorable consideration of this application, as presently amended and in light of the following discussion, is respectfully requested.

Claims 1-15 are pending in the application. Claims 1-9, 11-13 and 15 are amended by the present Amendment. Support for the amended claims can be found in the original specification, claims and the figures.¹ No new matter is presented.

In the outstanding Official Action, the drawings and specification were objected to because of minor informalities; Claims 2-5 and 9-12 were objected to under 37 C.F.R. § 1.75(a); Claims 4, 5, and 11 were rejected under 35 U.S.C. § 112, second paragraph, as indefinite; Claim 15 was rejected under 35 U.S.C. § 101 as directed to non-statutory subject matter; Claims 1-6, 8-13 and 15 were rejected under 35 U.S.C. § 102(b) as anticipated by Evanitsky et al. (U.S. Patent No. 5,045,880, hereinafter "Evanitsky"); and Claims 7 and 14 were rejected under 35 U.S.C. § 103(a) as unpatentable over Evanitsky in view of Fitzpatrick et al. (U.S. Patent No. 5,608,860, hereinafter "Fitzpatrick").

In the outstanding Official Action, the drawings and specification were objected to because of minor informalities. Applicants respectfully submit that these objections are overcome in view of the amendments to the specification and drawings, and the corresponding discussion below.

The drawings were objected to because of the misspelling of the word "editing" in Fig. 6. In response, Fig. 6 is amended to recite "EDITING" instead of "EDINTING". The drawings were also objected to because reference numerals "I6", "I7", "I8", "I9" and "I10" in Fig. 8 were not mentioned in the description. In response, p. 15 of the specification is amended to provide a description of the above-noted reference numerals included in Fig. 8. Further, reference numerals "d11", "d12", "d13" and "d14" in Figs. 9, 18 and 19, were cited

¹ See e.g., specification, Figs. 7-8.

as not being mentioned in the description. Accordingly, p. 16, line 21-p. 17, line 1 of the specification is amended to properly recite the above noted reference numerals. Reference numeral "b14" in Fig. 10 was also cited as not being mentioned in the description. In response, p. 18, line 5 of the specification is amended to indicate that "b14 designates a radio button for selecting variable power". Reference numeral "a32", was also cited as not being mentioned in the specification, and in response, p. 19, line 9 of the specification is amended to recite that reference numeral "a32" instead of reference numeral "a4" denotes an icon display area for displaying an icon indicating various punching functions. Reference numeral "a10" in Fig. 14 is defined at p. 16, line 8 of the specification. The specification, at p. 25, line 17 is amended to recite that reference numeral "I16" instead of reference numeral "I21" indicates that a double face printing result is selected. Regarding reference numeral "I1"... recited in Fig. 21, these reference numerals are deleted from Fig. 21.

Further, the outstanding Official Action asserts that reference numeral "a21" is used to designate both a staple display area and a punch icon display area. However, as seen in Figs. 11 and 16 of the specification, for example, a staple icon display area is represented by reference numeral "a31" and the punch icon display area is labeled using reference numeral "a32". Further, the specification is amended to remove any unintentional insertion of reference numeral "a21".

The Official Action also objected to the drawings as failing to show the "sideways" radio button selected in the document orientation selection area "a2" in Fig. 8. However, as described at p. 15, lines 5-8 of the specification, the document orientation section labeled as "a2" includes the radio button to select both the "lengthwise" and "sidewise" orientation of the document, thus, the drawings clearly show the "sidewise" radio button within the document orientation selection area "a2". Accordingly, the "sideways" radio button is believed to be clearly indicated by currently existing reference numeral "a2".

The outstanding Official Action objected to the specification for not including various reference signs mentioned in the description. Specifically, the outstanding Official Action notes print system “1” and print function setting screen of print driver “No. 1”, and printing function setting screen of the printer driver “No. 2”. In response, p. 6, line 17, and p. 13, lines 8-10 of the specification are amended to delete the above-noted reference signs. The outstanding Official Action cited reference numeral “d1”, “d4”, “a21”, “a4”, “d2”, “I21” as being mentioned in the description but not used in the figures. In response, these reference numerals have been amended, respectively, to read “d11”, “d14”, “a15”, “a32”, “d11”, and “I16”, to properly correspond to the features of the drawings to which the corresponding portions of the specification are related. Regarding icon “I25”, p. 23, line 13 of the specification is amended to delete reference numeral “I25”. Finally, regarding the name input area “a41” and common input area, these reference numerals, and corresponding features are clearly described at Fig. 12 of the specification. It should be noted that the context of the specification clearly relies upon Fig. 12 in describing these features. Finally, Fig. 10 is amended to include the label “a22” corresponding to the magnification selection area described at p. 18, line 9 of the specification, which was also cited in the Office Action as included in the specification but not in the drawings.

Accordingly, in light of the above discussion and further in view of the above noted amendments to the figures and specification, Applicants respectfully request that the objections to the drawings be withdrawn.

In the outstanding Official Action, Claims 2-5 and 9-12 were objected to under 37 C.F.R. § 1.75(a) as failing to particularly point out and distinctly claim the subject matter which Applicant regards as the invention.

Regarding Claims 2 and 9, the outstanding Official Action points out that Claims 2 and 9 recite the feature “a plurality of printing functions” after “a plurality of printing

functions” was claimed in independent Claims 1 and 8. In response, Claims 1 and 2, and 8 and 9 are respectively amended to recite a “first” and “second” plurality of printing functions to indicate that the plurality of printing functions recited in each claim is referring to a different plurality of printing functions.

Claims 5 and 12 were also objected to as reciting “to prepare a symbol” after the feature “a symbol” prepared by a single preparation unit was recited in independent Claims 2 and 9. In response, Claims 5 and 12 are amended to recite “the prepared symbol” instead of “a symbol” to correspond to the “symbol prepared by said symbol preparation unit”, as recited in Claims 2 and 9, from which Claims 5 and 12 respectively depend.

Further, Claim 12 was rejected for twice reciting “a plurality of image data”. In response, the second recitation of “a plurality of image data” is amended to recite “the image data representing the at least one selected printing function”, so as to refer to the “image data representing the at least one selected printing function” recited in line 3 of the claim.

Accordingly, Applicants respectfully submit that Claims 2-5 and 9-12 particularly point out and distinctly claim the subject matter which Applicant regards as the invention, and request the objection to Claims 2-5 and 9-12 be withdrawn.

In the outstanding Official Action, Claims 4, 5 and 11 were rejected under 35 U.S.C. § 112, second paragraph, as indefinite.

Specifically, regarding Claims 4 and 11 the outstanding Official Action states that “it is unclear whether many symbols, claimed as a symbol group, are utilized to represent a single printing function or if each individual symbol represents a single printing function”. As depicted in Fig. 11 of the specification, a staple symbol group (a31) and a punch symbol group (a32) are displayed and each symbol display area includes a plurality of symbols, or a symbol group representing a single printing function (e.g., staple or punch) in the printing function display area. The printing functional selection unit is then configured to select at

least one of the plurality of symbols from the symbol group (e.g., staple upper left hand corner, staple upper right hand corner ...), displayed in the printing function display area which correspond to various options regarding a single printing function. Thus, the user may select one symbol from a symbol group that corresponds to an option (e.g. staple upper left hand corner) regarding a single printing function (e.g. staple). Accordingly, Applicants submit that Claims 4 and 11 clearly define the subject matter which Applicants regard as the invention.

The outstanding Official Action also rejected Claim 5 as “unclear whether the prepared symbol represents a plurality of printing functions or if the prepared symbol represents a single printing function.” In response, Claim 5 is amended to recite “to create the prepared symbol representing the at least one selected printing function”, relying on the “to select at least one printing function”, recited in Claim 2, from which Claim 5 depends.

Accordingly, in light of the above discussion and the amendment to Claim 5, Applicants respectfully submit that Claims 4, 5 and 11 clearly define the subject matter which Applicants regard as the invention. Therefore, Applicants respectfully request that the rejection to Claims 4, 5 and 11 under 35 U.S.C. § 112, second paragraph, be withdrawn.

In the outstanding Official Action, Claim 15 was rejected under 35 U.S.C. § 101 as being directed to non-statutory subject matter. In the outstanding Official Action the Examiner suggests amending the claim to embody the program on “computer-readable medium”. In response, independent Claim 15 is amended to recite a computer program “stored on a computer-readable medium that when executed by a computer causes a computer to perform the steps of”, thus, incorporating the language recommended in the outstanding Official Action.

Accordingly, Applicant respectfully requests that the rejection of Claim 15 under 35 U.S.C. § 101 be withdrawn.

The outstanding Official Action asserts that Evanitsky teaches all the elements of Claims 1-6, 8-13 and 15. Applicants respectfully submit that amended independent Claims 1, 8, and 15 state novel features clearly not taught or rendered obvious by the applied references.

Amended independent Claim 1 relates to an information processing device including a display unit configured to display at least one display screen including a symbol display area. A list of symbols is then displayed in the symbol display area, *each symbol graphically customized to display a first plurality of printing functions*. A symbol from the list of symbols displayed in the symbol display area may then be selected by a selection unit, and a printing function setting unit sets a plurality of printing functions represented by the symbol selected by the symbol selection unit.

As depicted in an exemplary, non-limiting embodiment at Fig. 7, reference numeral “15” reflects a plurality of printing functions (aggregated and double faced) for which a symbol is graphically customized to display. Such a system allows a user to simplify print setting operations by selecting a plurality of print functions which are displayed by the customized symbol, allowing a user to easily visually identify the print operations represented by the symbol.

Turning to the applied reference, Evanitsky describes a technique for pre-programming a reproduction machine for a plurality of complex jobs involving a variety of machine features and requirements. Specifically, when the machine is in operation, touching a “Program Ahead” file on the screen, displays a simulation of a plurality of pre-programming slots or folders.² By touching one of the pre-programming folders, a job can be

² Evanitsky, Abstract.

pre-programmed into that slot or folder using file folders and subfolders that simulate a plurality of features and subfeatures of the machine.³

However, Evanitsky fails to teach or suggest that each of these pre-programming folders is a *symbol graphically customized to display a plurality of printing functions*, as recited in the pending independent claims.

Specifically, amended Claim 1 recites, *inter alia*, an information processing device, comprising:

... a symbol display control unit configured to display a list of symbols in said symbol display area, *each symbol graphically customized to display a first plurality of printing functions* ...

The outstanding Official Action cites folders 902, 906, 908, ... in Fig. 23 as corresponding to the symbols that represent a plurality of printing functions. As depicted in Fig. 23, each of the folders, while storing a program configured to implement a variety of printer settings, is represented only by a folder icon which is not graphically customized to represent the functions of the print programs stored therein. In contrast, as discussed above, amended Claim 1 recites that “*each symbol [is] graphically customized to display a plurality of printing functions*”. As discussed above, with reference to Fig. 7, the symbol itself is customized to display the various printing functions that are selected and enabled by the symbol represented by the folder. Evanitsky fails to teach or suggest this claimed feature, as each of the save program folders are represented by simplistic file folder regardless of the print functionalities or program capabilities stored therein. Such a system fails to visually inform a user of the print functions represented by the plurality of icons, since all the displayed file folders look the same regardless of content.

Evanitsky does allow a user to view the contents of each folder using the “next program” function, as depicted in Fig. 23, however, each symbol must be individually

³ Id.

selected in order to view the folder contents and the folder itself is not graphically customized. Further, all the other folders displayed in the symbol display area are not graphically customized, which is in clear contrast to amended Claim 1 which recites “a symbol display control unit configured to display a list of symbols in said symbol display area, *each* symbol graphically customized”. Thus, Evanitsky’s system does not provide a useful interface which visually assists a user in selecting one from a displayed plurality of symbols, each graphically customized to display the plurality of printing functions represented by the displayed symbols.

Accordingly, Evanitsky fails to teach or suggest a symbol display control unit configured to display a list of symbols, *each symbol graphically customized to display a first plurality of printing functions*, as recited in the pending independent claims.

Accordingly, Applicants request the rejection of Claim 1 under 35 U.S.C. § 102 be withdrawn. For substantially the same reasons as given with respect to amended independent Claim 1, it is also submitted that amended independent Claims 8 and 15 patentably define over Evanitsky.

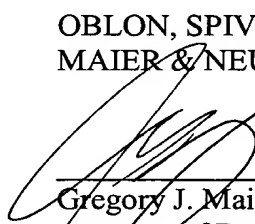
In the outstanding Official Action Claims 7 and 14 were rejected under 35 U.S.C. § 103 as unpatentable over Evanitsky in view of Fitzpatrick. However, as discussed above, Evanitsky fails to teach or suggest a symbol graphically customized to display a plurality of printing functions. Likewise, Fitzpatrick fails to remedy this deficiency, and therefore, none of the cited reference neither alone nor in combination teach nor suggest Applicants’ Claims 7 and 14 which include the above-distinguished feature by virtue of dependency. Therefore, the Official Action does not provide a *prima facie* case of obviousness with regard to any of these claims.

Accordingly, Applicant respectfully requests the rejection of Claims 7 and 14 under 35 U.S.C. § 103 be withdrawn.

Consequently, in view of the present amendment and in light of the foregoing comments, it is respectfully submitted that the invention defined by Claims 1-15 is definite and patentably distinguishing over the applied references. The present application is therefore believed to be in condition for formal allowance and an early and favorable reconsideration of the application is therefore requested.

Respectfully submitted,

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